CMX-TINY+™ for MAXQ™

CMX-Tiny+ RTOS Minimizes RAM Usage for the MAXQ!

The CMX-Tiny+ real time multi-tasking operating system is an extremely "lean and mean" kernel that provides an optimized, small footprint solution for the Maxim/Dallas Semiconductor MAXQ series of processors. This specially designed RTOS allows the user to develop application code that is run under an RTOS and yet only use the onboard RAM that the processor provides! CMX-Tiny+ does not need any external RAM, regardless of whether the processor can support the use of external RAM or not.

CMX-Tiny+'s code size is so small that it allows the processor's onboard FLASH to support both the user's application code and the CMX-Tiny+ code, in most cases. This unique RTOS, based on a scaled down version of the popular CMX-RTX™, retains most of the power of CMX-RTX as well as the more frequently used functions. CMX-Tiny+, a truly preemptive RTOS, also provides support for cooperative scheduling, if desired.

CMX-Tiny+ Specifications for the MAXQ:

FLASH

All CMX Functions:	3129 words
CMX Initialize Module:	173 words
CMX Assembly Module:	384 words

RAM, Each Task Control Block:	19 bytes

NOTE:
CMX Functions are contained in a library, thus reducing code size, if not referenced.

CMX-Tiny+ Features

- Extremely Small FLASH/RAM Footprint
- Truly Preemptive RTOS
- Low Power Mode Supported
- Full Source Code With Every Purchase
- Free Technical Support and Updates
- Low, Economical Pricing
- No Royalties on Shipped Products
- Highly Scalable and Modular
- Extremely Fast Performance
- Example Code Provided

A Partial Listing of CMX-Tiny+ Functionality

- Task Management
- Message Management
- Semaphore Management
- Event Management
- Resource Management
- Timer Management

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